J. Woirfach.

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1632

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/462,993

DATE: 09/15/2000 TIME: 14:29:33

Input Set : A:\017753-122.APP

Output Set: N:\CRF3\09152000\I462993.raw

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<110> APPLICANT: KIENY, Marie-Paule
         BALLOUL, Jean-Marc
         BIZOUARNE, Nadine
  <120> TITLE OF INVENTION: ANTITUMORAL COMPOSITION BASED ON IMMUNOGENIC
         POLYPEPTIDE WITH MODIFIED CELL LOCATION
10 <130> FILE REFERENCE: 017753-122
12 <140> CURRENT APPLICATION NUMBER: 09/462,993
13 <141> CURRENT FILING DATE: 2000-04-17
15 <150> PRIOR APPLICATION NUMBER: PCT/FR98/01576
16 <151> PRIOR FILING DATE: 1998-07-17
18 <150> PRIOR APPLICATION NUMBER: FR 97/09152
19 <151> PRIOR FILING DATE: 1997-07-18
21 <160> NUMBER OF SEQ ID NOS: 23
23 <170> SOFTWARE: PatentIn Ver. 2.2
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 243
27 <212> TYPE: PRT
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Description of Artificial Sequence:Derivated from
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32
         fused F protein signals, clone {\tt E6*TMF}.
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36 Met Gly Leu Lys Val Asn Val Ser Ala Ile Phe Met Ala Val Leu Leu
   Thr Leu Gln Thr Pro Thr Gly Gln Ile His Trp Gly Met His Gln Lys
20 25 30
42 Arg Thr Ala Met Phe Gln Asp Pro Gln Glu Arg Pro Arg Lys Leu Pro 43 · 35 40 45
45 Gln Leu Cys Thr Glu Leu Gln Thr Thr Ile His Asp Ile Ile Leu Glu 46~50~55~60
48 Cys Val Tyr Cys Lys Gln Gln Leu Leu Arg Arg Glu Val Tyr Asp Phe
49 65 70 75 80
51 Ala Phe Arg Asp Leu Cys Ile Val Tyr Arg Asp Gly Ash Pro Tyr Ala
52 85 90 95
54 Val Cys Asp Lys Cys Leu Lys Phe Tyr Ser Lys Ile Ser Glu Tyr Arg
55 100 105 110
57 His Tyr Cys Tyr Ser Leu Tyr Gly Thr Thr Leu Glu Gln Gln Tyr Asn 125
60 Lys Pro Leu Cys Asp Leu Leu Ile Arg Cys Ile Asn Cys Gln Lys Pro
61 130 135 140
63 Leu Gln Arg His Leu Asp Lys Lys Gln Arg Phe His Asn Ile Arg Gly 64 145 150 155 160
66 Arg Trp Thr'Gly Arg Cys Met Ser Cys Cys Arg Ser Ser Arg Thr Arg 67 165 170 175
69 Arg Glu Thr Gln Leu Gly Leu Ser Ser Thr Ser Ile Val Tyr Ile Leu
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TEXM (ENTER 1000/2000)

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RAW SEQUENCE LISTING
                                                                  TIME: 14:29:33
                  PATENT APPLICATION: US/09/462,993
                  Input Set : A:\017753-122.APP
                  Output Set: N:\CRF3\09152000\1462993.raw
72 Ile Ala Val Cys Leu Gly Gly Leu Ile Gly Ile Pro Ala Leu Ile Cys
73 195 200 205 205
75 Cys Cys Arg Gly Arg Cys Asn Lys Lys Gly Glu Gln Val Gly Met Ser 76 210 220
78 Arg Pro Gly Leu Lys Pro Asp Leu Thr Gly Thr Ser Lys Ser Tyr Val
79 225
81 Arg Ser Leu
84 <210> SEQ ID NO: 2
85 <211> LENGTH: 185
86 <212> TYPE: PRT
87 <213> ORGANISM: Artificial Sequence
90 <223> OTHER INFORMATION: Derivated from human papillomavirus, strain 91 HPV-16, E7 fusion signals of the rabies
           glycoprotein, clone E7*TMR.
                                                                                                          RECEIVED
 92
 95 Met Val Pro Gln Ala Leu Leu Phe Val Pro Leu Leu Val Phe Pro Leu

96 1 5
 98 Cys Phe Gly Lys Phe Pro Ile Gly Ser Met His Gly Asp Thr Pro Thr
98 Cys Phe Gly Lys Phe Pro Ile Gly Ser Met His Gly Asp Thr Pro Thr
99 20 25 30
101 Leu His Glu Tyr Met Leu Asp Leu Gln Pro Glu Thr Thr Gln Leu Asn
102 35
                                                                                                              SEP 25 MIG
 104 Asp Ser Ser Glu Glu Glu Asp Glu Ile Asp Gly Pro Ala Gly Gln Ala
105 50 60
                                                                                                         TECH CENTER 1600/2900
 107 Glu Pro Asp Arg Ala His Tyr Asn Ile Val Thr Phe Cys Cys Lys Cys 108 65 70 75 80
  110 Asp Ser Thr Leu Arg Leu Cys Val Gln Ser Thr His Val Asp Ile Arg
  113 Thr Leu Glu Asp Leu Leu Met Gly Thr Leu Gly Ile Val Cys Pro Ile
114 100 105 105
 128 His Lys Ser Gly Gly Glu Thr Arg Leu
129 180 185
  133 <210> SEQ ID NO: 3
   134 <211> LENGTH: 36
   135 <212> TYPE: DNA
   136 <213> ORGANISM: Artificial Sequence
   139 <223> OTHER INFORMATION: Derivated from human papillomavirus, strain
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   140
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DATE: 09/15/2000

141

143 <400> SEQUENCE: 3

RAW SEQUENCE LISTING DATE: 09/15/2000 PATENT APPLICATION: US/09/462,993 TIME: 14:29:33

Input Set : A:\017753-122.APP
Output Set: N:\CRF3\09152000\1462993.raw

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150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Derivated from rabies virus, mutagenesis
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161 <211> LENGTH: 38
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG6390, anti-sense.
168 <400> SEQUENCE: 5
169 gtatetecat geatggatee tgeagggttt etetaegt
                                                                          38
172 <210> SEQ ID NO: 6
173 <211> LENGTH: 36
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG6880, anti-sense.
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185 <211> LENGTH: 32
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Derivative from rabies virus, strain
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192
          deleted 111 to 115), anti-sense.
194 <400> SEQUENCE: 7
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199 <211> LENGTH: 34
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Synthetic oligonucleotide oT10829, non anti-sense.
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211 <211> LENGTH: 35
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
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RAW SEQUENCE LISTING DATE: 09/15/2000 PATENT APPLICATION: US/09/462,993 TIME: 14:29:33

Input Set : A:\017753-122.APP
Output Set: N:\CRF3\09152000\1462993.raw

216 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG10830, anti-sense. 218 <400> SEQUENCE: 9 219 cagttetett ttggtgcatg ceccaatgga tttga 222 <210> SEQ ID NO: 10 223 <211> LENGTH: 38 224 <212> TYPE: DNA 225 <213> ORGANISM: Artificial Sequence 227 <220> FEATURE: 228 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG10835, non 229 231 <400> SEQUENCE: 10 232 atgctagtgc tcgataaacc cagctgggtt tctctacg 38 235 <210> SEQ ID NO: 11 236 <211> LENGTH: 35 237 <212> TYPE: DNA 238 <213> ORGANISM: Artificial Sequence 240 <220> FEATURE: 241 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG10836, anti-sense. 243 <400> SEQUENCE: 11 244 tcaaatccat tggggcatgc accaaaagag aactg 247 <210> SEQ ID NO: 12 248 <211> LENGTH: 38 249 <212> TYPE: DNA 250 <213> ORGANISM: Artificial Sequence 252 <220> FEATURE: 253 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG10833, non 254 anti-sense. 256 <400> SEQUENCE: 12 257 cgtagagaaa cccagctggg tttatcgagc actagcat 38 260 <210> SEQ ID NO: 13 261 <211> LENGTH: 36 262 <212> TYPE: DNA 263 <213> ORGANISM: Artificial Sequence 265 <220> FEATURE: 266 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG10834, anti-sense. 268 <400> SEQUENCE: 13 269 gegggeatge ggtaceteag agegacetta catagg 272 <210> SEQ ID NO: 14 273 <211> LENGTH: 32 274 <212> TYPE: DNA 275 <213> ORGANISM: Artificial Sequence 277 <220> FEATURE: 278 <223> OTHER INFORMATION: Derivated from vaccinia virus, strain modified Ankara, synthetic oligonucleotide oTG7637 (PCR III 279 280 region), non anti-sense. 282 <400> SEQUENCE: 14 32 283 gggggggaat tcagtaaact tgactaaatc tt .286 <210> SEQ ID NO: 15 287 <211> LENGTH: 39



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RAW SEQUENCE LISTING DATE: 09/15/2000
PATENT APPLICATION: US/09/462,993 TIME: 14:29:33

Input Set : A:\017753-122.APP

Output Set: N:\CRF3\09152000\I462993.raw

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291 <220> FEATURE:
292 <223> OTHER INFORMATION: Derivated from vaccinia virus, strain modified
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293
294
          region), anti-sense.
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306 <223> OTHER INFORMATION: Derivated from vaccinia virus, strain modified
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308
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314 <210> SEQ ID NO: 17
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316 <212> TYPE: DNA
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321
322
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328 <210> SEQ ID NO: 18
329 <211> LENGTH: 77
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG10502, non
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339 acactgactt gaggtac
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344 <212> TYPE: DNA
345 <213> ORGANISM: Artificial Sequence
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352 agaataaaa
355 <210> SEQ ID NO: 20
356 <211> LENGTH: 39
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VERIFICATION SUMMARY

DATE: 09/15/2000 TIME: 14:29:34

PATENT APPLICATION: US/09/462,993

Input Set : A:\017753-122.APP
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